Title (en)
METHOD AND APPARATUS FOR GENERATING 3D AUDIO CONTENT FROM TWO-CHANNEL STEREO CONTENT

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON 3D-AUDIO-INHALT AUS ZWEIKANALIGEM STEREOINHALT

Title (fr)
PROCÉDÉ ET APPAREIL DE GÉNÉRATION DE CONTENU AUDIO 3D À PARTIR D'UN CONTENU STÉRÉO À DEUX CANAUX

Publication
EP 3357259 A1 20180808 (EN)

Application
EP 16775237 A 20160929

Priority
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• EP 2016073316 W 20160929

Abstract (en)
[origin: WO2017055485A1] For generating 3D audio content from a two-channel stereo signal, the stereo signal (x(t)) is partitioned into overlapping sample blocks and is transformed into time-frequency domain. From the stereo signal directional and ambient signal components are separated, wherein the estimated directions of the directional components are changed by a predetermined factor, wherein, if changes are within a predetermined interval, they are combined in order to form a directional centre channel object signal. For the other directions an encoding to Higher Order Ambisonics (HOA) is performed. Additional ambient signal channels are generated by de-correlation and rating by gain factors, followed by encoding to HOA. The directional HOA signals and the ambient HOA signals are combined, and the combined HOA signal and the centre channel object signals are transformed to time domain.

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H04S 5/00 (2006.01); **H04S 7/00** (2006.01)

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Citation (search report)
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